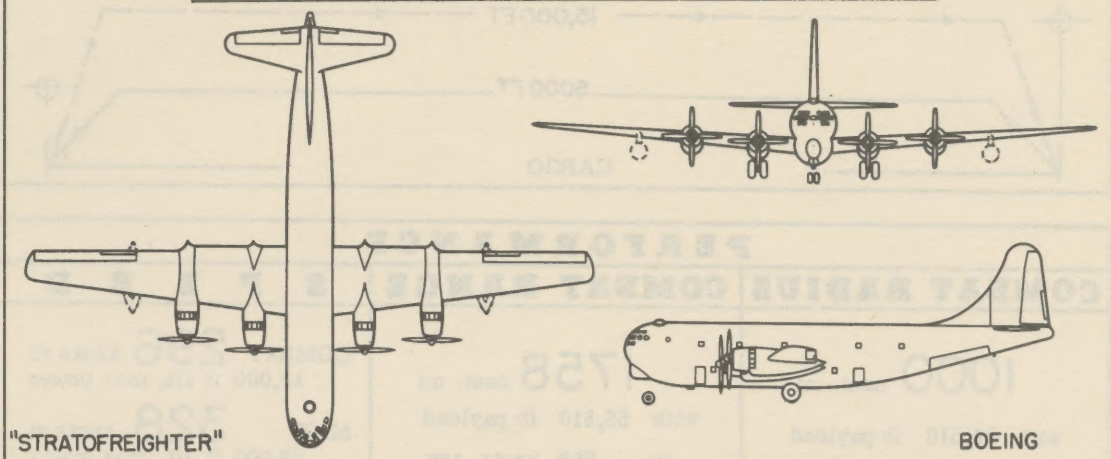


Characteristics Summary

TANKER (CARGO VERSION) KC-97G


Wing Area 1768.7 sq ft

Length 110.3 ft

Span 141.2 ft

Height 38.3 ft

Height (Fin folded) 26.6 ft

AVAILABILITY

Number available

PROCUREMENT

Number to be delivered in fiscal years

ACTIVE	RESERVE	TOTAL				

STATUS

1. Same as the KC-97F except for installation of wing drop tanks, deletion of radio operator's station, changes in electronic equipment and other minor changes.
2. Design Initiated: Jun 51
3. Contract Approved: Aug 52
4. Mock-Up: Mar 52
5. First Flight: May 53
6. First Acceptance: May 53

Navy Equivalent: None

Mfr's Model: 367-76-66

POWER PLANT

(4) R-4360-59B

Pratt & Whitney

ENGINE RATINGS

BHP - RPM - ALT - MIN

T.O: *3500-2700- 500 -5

Mil: *3500-2700- 500 -30
3250-2700-1000 -30Nor: 2650-2550- 5500 -Cont
*Wet

Note: Increased altitude performance is available through use of external turbo supercharging

FEATURES

Fuselage Pressurization

External Wing Drop Tanks

Folding Fin & Rudder

Reverse Pitch Props

Cargo Hoist System

Single-Point Refueling

Double Deck Type Fuselage

Integral Loading Ramp

Max Fuel Cap: . . . 9172 gal

GENERAL

Crew (normal) 4

Troops 96

or

Litters None

or

Max Cargo . . . *64,000 lb

Main Compt:

Volume 4309 cu ft

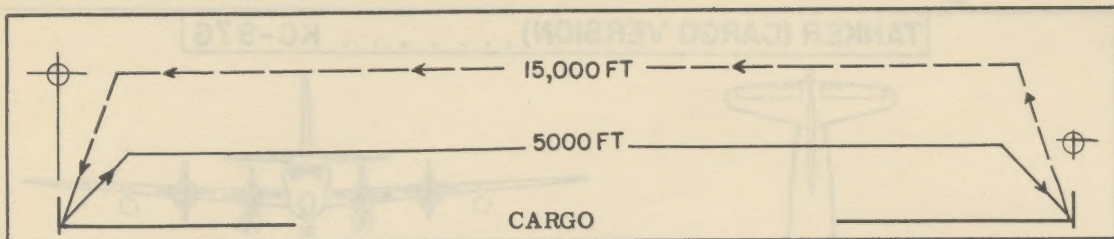
Floor Area . . . 559 sq ft

Lower Compt:

Volume 1818 cu ft

Floor Area . . . 257 sq ft

*Limited by strength

Characteristics Summary Basic Mission KC-97G**PERFORMANCE**

COMBAT RADIUS	COMBAT RANGE	S P E E D	
1000 naut. mi with 55,510 lb payload at 194 knots avg. in 10.4 hours.	1758 naut. mi with 55,510 lb payload at 202 knots avg. in 8.7 hours	COMBAT 296 knots at 15,000 ft alt, max power	
		MAX 328 knots at 26,000 ft alt, max power	
		BASIC 279 knots at 5000 ft alt, max power	
C L I M B	C E I L I N G	T A K E - O F F	
540 fpm sea level, take-off weight normal power	21,500 ft 100 fpm, take-off weight normal power	ground run 6500 ft no assist	ft assisted
2535 fpm sea level, combat weight maximum power	30,000 ⁺ ft 500 fpm, combat weight maximum power	over 50 ft height 8150 ft no assist	ft assisted
L O A D	W E I G H T S	S T A L L I N G S P E E D	
Cargo: 55,510 lb	Empty..... 78,010 lb	108 knots power-off, landing configuration, take-off weight	
Fuel: 5719 gal	Combat... 99,490 lb	T I M E T O C L I M B	
protected 0 %	Take - off 175,000 lb		
droppable 0 %	limited by strength		
external 0 %			

N O T E S

- Performance Basis:
 - Flight test.
 - Max power same as normal power above 7800 ft.
- Revision Basis: To revise security classification and guaranteed engine ratings.